

Product Information

Ester/Phosphoramidic acid PEG reagent, PEG4-bis(phosphonic acid diethyl ester), Purity ≥98%

Cat. No.: X25-10-YM042

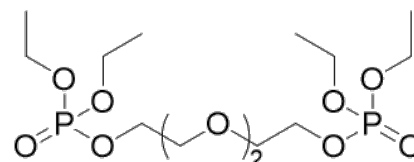
Size: 250 mg; 500 mg; 1 g; 5 g

CAS Number: 1807539-03-2

PubChem CID: 77078366

Synonym: 1807539-03-2; PEG4-bis(phosphonic acid diethyl ester)

This product is for research use only and is not intended for diagnostic use.



Product Information

Molecular Weight	422.4
Molecular Formula	C ₁₄ H ₃₂ O ₁₀ P ₂
Functional Group 1	Ester
Functional Group 2	Phosphoramidic acid
IUPAC Name	2-[2-(2-Diethoxyphosphoryloxyethoxy)ethoxy]ethyl diethyl phosphate
InChI Key	WGTDVLYYVZBRNQ-UHFFFAOYSA-N
Canonical SMILES	CCOP(=O)(OCC)OCCOCCOCCOP(=O)(OCC)OCC
Form	Solid/liquid
Purity	≥98%
Impurities	No visible impurities to the naked eye.
Identity	Confirmed by NMR.
Applications	PEG4-bis(phosphonic acid diethyl ester) plays a key role in the formulation of nanoparticles for targeted drug delivery.
Storage	Store at -20°C.